

CLAIMS

1. A method of emulating a chip card reader functioning according to the PCSC standard in order to
5 manage a chip card reader functioning according to the EMV standard and communicating with the chip card according to the protocol $T = 0$, characterised in that it comprises the following operations consisting of:

(a) determining the types of APDU exchanges for
10 which it is necessary to effect an emulation,

(b) emulating the return of a state word (SW1, SW2) in compliance with the standards to the PCSC environment,

(c) when the type of APDU exchange corresponds to
15 a Case 2 as defined in ISO 7816-4, receiving the command C-APDU complying with the state word,

(d) when the type of APDU exchange corresponds to a Case 4 as defined in the standards, receiving the command GET-RESPONSE using the state word,

20 (e) returning R-APDU in response to C-APDU or to GET-RESPONSE.

2. A method according to Claim 1, characterised in that operations (c) and (d) are in the reverse order.

25 3. A method according to Claim 1 or 2, characterised in that operation (c) is followed by the following operation consisting of:

(c₁) emulating the return of a state word (SW1, SW2) complying with the standards to the PCSC

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environment as provided for when the type of APDU exchange corresponds to a Case 4.

4. A method according to Claim 1 or 2, characterised in that operation (b) is replaced by operations (b') and (b'') and operation (d) replaced by an operation (d') consisting of:

(b') emulating an alarm state, which can relate to the application of the chip card, sending to the PCSC environment the state word (SW1, SW2) complying with the standards,

(d') receiving the command GET-RESPONSE parameterised such that the number of bytes awaited is 0,

(b'') emulating a state word, (SW1, SW2), complying with the standards, to the PCSC environment as provided for when the type of APDU exchange corresponds to Case 4.